

<b>INFORMATION DISCLOSURE CITATION</b>  PTO-1449			ATTORNEY'S DKT NO. 024444-580		APPLICATION NO. 09/214,923		
			APPLICANT Mats WALDENSTRÖM et al.				
			FILING DATE January 15, 1999		GROUP Unassigned <b>1275</b>		
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
	5,529,804	06/96	Bonneau et al.				
	5,505,902	04/96	Fischer et al.				
	5,674,564	10/97	Ljungberg et al.				
	4,923,512	05/90	Timm et al.				
	3,660,050	05/72	Her et al.				
	5,068,149	11/91	Shimada et al.				
	5,288,676	02/94	Shimada et al.				
	5,334,561	08/94	Matsui et al.				
	5,434,112	07/95	Matsui et al.				
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
	346 473	01/30	Great Britain				X
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
	Dialog Information Services, File 351, DERWENT WPI, Dialog Accession No. 010155859, WPI Accession No. 95-057111/199508, (NGK SPARK PLUG CO LTD), "Tungstencarbide-base cemented carbide used for cutting tool - comprises hard phase having specified particle size distribution, and contg tungsten carbide and ferrous metal bonding phase", & JP,A,6335808, 19941206, 199508 B (no date/month)						
	Dialog Information Services, File 351, DERWENT WPI, Dialog Accession No. 011397725, WPI Accession No. 97-375632/199735, (KOBEL STEEL LTD), "Hard tough cemented carbide - comprises mainly tungsten carbide, cobalt and nickel", & JP,A,9125185, 19970513, 199735 B (no date/month)						
	Dialog Information Services, File 351, DERWENT WPI, Dialog Accession No. 011172064, WPI Accession No. 97-149989/199714, (DIJET IND CO LTD), "Sintered hard material for water jet or wire drawing die nozzles - comprises iron, cobalt, and/or nickel, carbide and/or carbonitride of Gp-IVA transition metal, and tungsten carbide", & JP,A,9025535, 19979128, 199714 B (no date/month)						
EXAMINER			DATE CONSIDERED				
			<b>5/20/00</b>				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	FILING DATE
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EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS Translation Yes    No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>					
<b>91</b>	Dialog Information Services, File 351, DERWENT WPI, Dialog Accession No. 008723156, WPI Accession No. 91-227173/199131, (TOSHIBA TUNGALLOY KK), "Coated sintered hard alloy for intermittent cutting - has single or multilayers of ceramics on matrix of tungsten carbide or gp-IVA, gp-VA or gp-VIA carbide(s) or carbonitride(s)", & JP,A,3146677, 19910621, 199131 B <b>(no date/month)</b>				
<b>1</b>	Dialog Information Services, File 351, DERWENT WPI, Dialog Accession No. 008551086, WPI Accession No. 91-055137/199108, (HITACHI TOOL KK), "Super-hard alloy prodn. - comprises hard phase of titanium-carbide, titanium-nitride and tungsten carbide and binder phase of iron-Gp. metal", & JP,A,3006349, 19910111, 199108 B <b>(no date/month)</b>				
<b>1</b>	Dialog Information Services, File 351, DERWENT WPI, Dialog Accession No. 004689404, WPI Accession No. 86-192746/198630 (HITACHI CHOKO KK), "Ultrafine particles sintered hard alloy - comprises tungsten carbide hard phase bonded with iron and chromium gp elements contg. carbide(s)", & JP,A,61124548, 19860612, 198630 B <b>(no date/month)</b>				
<b>91</b>	Dialog Information Services, File 351, DERWENT WPI, Dialog Accession No. 004675229, WPI Accession No. 86-178571/198628, (HITACHI CHOKO KK et al.), "Hard alloy useful for cutting tools etc. - comprises hard phase contg. tungsten carbide, and binder metal phase contg. iron-gp. and chromium-gp. elements", & JP,A,61110745, 19860529, 198628 B <b>(no date/month)</b>				
EXAMINER	<b>Turne</b>		DATE CONSIDERED <b>5/20/00</b>		

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